



Commercial CCS-18

High Power DC-8 GHz Multi - Throw Switch

SP7T and SP8T versions only

Normally Open

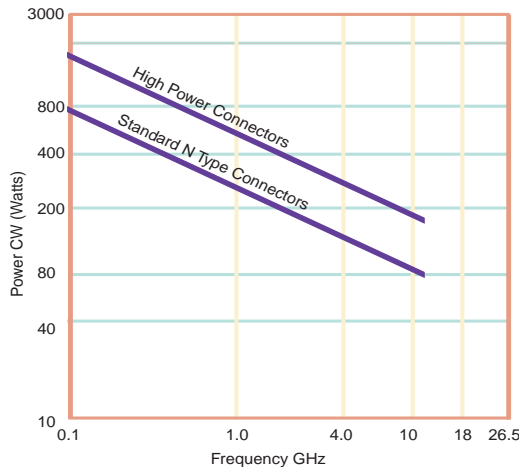
The CCS-18 Switch is a broadband multi-position coaxial switch designed to switch RF signals from one input port to any one of 3 through 8 output ports. It is readily adapted to any 50 Ohms transmission line system. The standard actuator gives individual solenoid control of each position and when de-energized, all positions are open. Standard actuator voltage is 28 VDC. The primary advantage of this switch over the miniature versions shown on previous pages is the higher power handling capability.

Specifications

RF Contacts:	Break before make			
Actuator	Voltage (VDC) 20°C	12	15	28
	Current (mA)	600	480	270
Switching Time:	20 msec max			
Connectors:	SMA (f), TNC(f), N Type (f)			
Weight:	14 oz. max (8 Position)			
Temperature Range:	-40°C to +65°C (Operating)			
Shock:	MIL-STD-202 Method 213, Condition D (500G Non Operating)			
Vibration:	MIL-STD-202 Method 214, Condition D (10G RMS Non Operating)			
Humidity:	Moisture Seal Available			
Typical Contact Life:	5 Million Cycles			

SP3T to SP6T version available. See additional datasheets

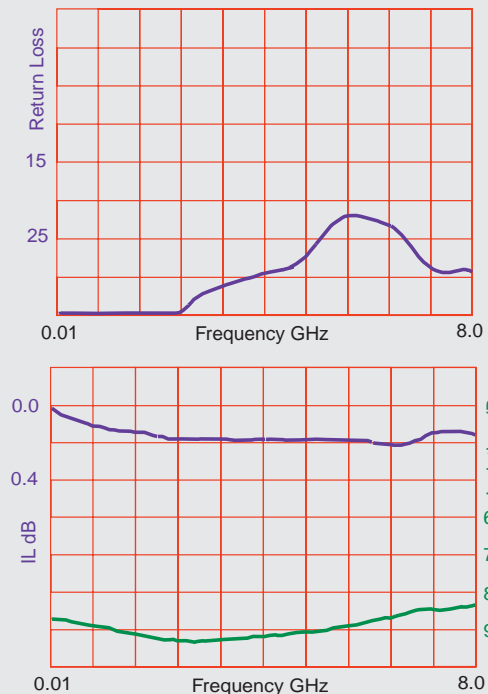
RF Power Handling



Specifications

	DC-1 GHz	1-4 GHz	4-8 GHz
VSWR (max)	1.25:1	1.40:1	1.70:1
Insertion Loss (min)	0.30 dB	0.40 dB	0.50 dB
Isolation (max)	70.0 dB	60.0 dB	60.0 dB

Typical Performance

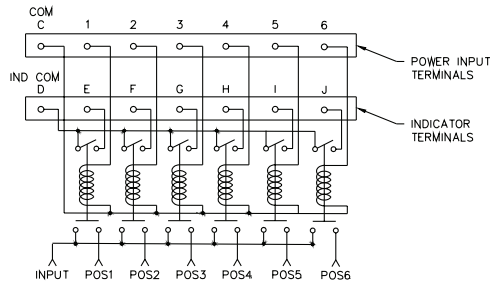


Commercial CCS-18

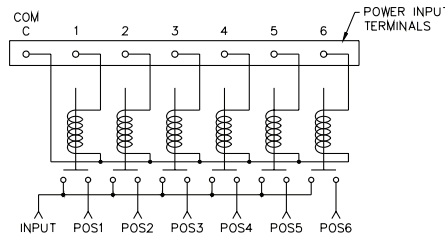
High Power DC-8 GHz Multi - Throw Switch

SP7T and SP8T versions only

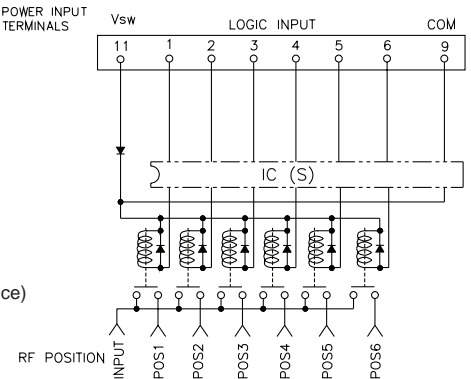
Normally Open



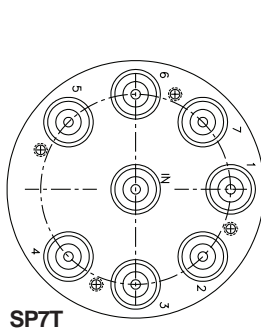
Indicator
(Number of ports reduced for convenience)



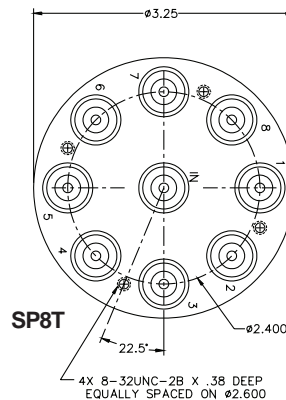
Analog
(Number of ports reduced for convenience)



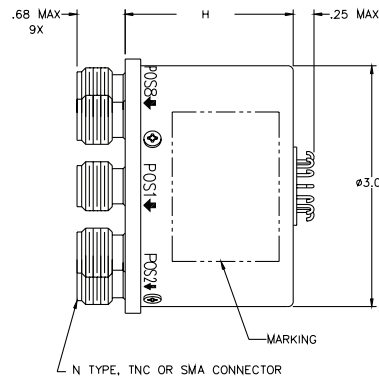
TTL
(Number of ports reduced for convenience)



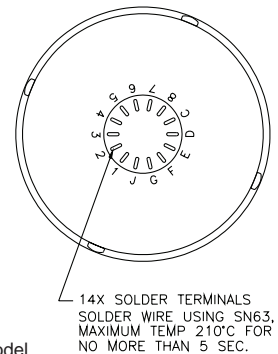
SP7T



SP8T

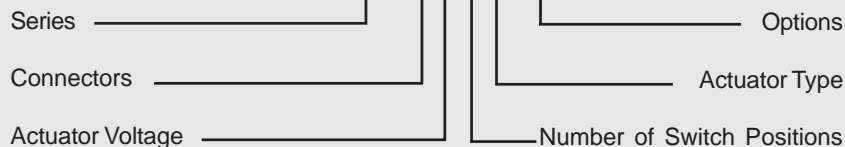


H = 2.15 STD Model
H = 2.65 TTL Model



Part Numbering System for CCS-18 (Normally Open)

CCS-18 N 1 7 O - T



Connector	Actuator Voltage
S: SMA Female	1: 28Vdc Normally Open
N: N type Female	2: 15Vdc Normally Open
T: TNC Female	3: 12Vdc Normally Open

Number of Positions	Actuator Type
7: SP7T	O: No Indicator Contacts
8: SP8T	C: Indicator Contacts

Options
T: TTL Drivers with Diodes
R: Positive + Common
TD: TTL Driver with Decoder

For other options contact Factory

For SP3T to SP6T see additional datasheet